

Table A4. Equations for full-time and part-time college enrollment rates of men

Independent variable	Coefficient	Standard error	T-statistic	R ²	D.W. statistic
Full-time					
Age17	-6.07	0.14	-44.9	0.99	1.5
Age18	-3.38	0.10	-34.1		
Age19	-3.24	0.10	-33.2		
Age20	-3.37	0.10	-35.4		
Age21	-3.50	0.09	-37.1		
Age22	-3.96	0.10	-38.4		
Age23	-4.39	0.09	-46.4		
Age24	-4.73	0.10	-46.4		
Age25	-5.50	0.10	-53.4		
Age25-29	-6.49	0.11	-61.1		
Age35-44	-7.13	0.11	-66.8		
LNURM	0.13	0.11	8.2		
LNCPIMA	0.40	0.02	25.3		
Rho17	0.25	0.14	1.9		
Rho18	-0.09	0.09	-1.1		
Rho19	0.23	0.10	2.3		
Rho20	0.26	0.16	1.6		
Rho21	0.14	0.15	0.9		
Rho22	0.42	0.12	3.4		
Rho23	-0.46	0.09	-5.0		
Rho24	0.47	0.12	3.8		
Rho25-29	0.59	0.12	4.9		
Rho30-34	0.62	0.14	4.5		
Rho35-44	0.53	0.09	5.6		
Part-time					
Age17	-7.98	0.86	-9.3	0.31	1.6
Age18	-3.91	0.27	-14.4		
Age19	-3.44	0.47	-7.4		
Age20	-3.58	0.28	-13.0		
Age21	-3.66	0.28	-13.3		
Age22	-3.52	0.28	-12.6		
Age23	-3.84	0.27	-14.2		
Age24	-4.01	0.37	-10.7		
Age25	-4.12	0.28	-14.8		
Age25-29	-4.57	0.29	-15.6		
Age35-44	-4.62	0.27	-17.1		
LNCPIMA	0.18	0.04	4.7		
Rho17	-0.40	0.17	-2.4		
Rho18	-0.21	0.10	-2.0		
Rho19	0.90	0.05	17.0		
Rho20	0.36	0.09	4.1		
Rho21	0.30	0.08	3.7		
Rho22	0.31	0.15	2.0		
Rho23	0.08	0.07	1.1		
Rho24	0.81	0.07	11.9		
Rho25-29	0.57	0.12	4.7		
Rho30-34	0.67	0.11	6.3		
Rho35-44	0.29	0.12	2.5		

R² = Coefficient of determination.

D.W. statistic = Durbin-Watson statistic.

Where:

AGE(age) = Enrollment rate by age.

Rho(age) = Autocorrelation coefficient for each age.

LNURM = Log unemployment rate for men.

LNCPIMA = Log of four-period weighted average of per capita real disposable income.

NOTE: The regression method used to estimate the full-time and part-time equations was pooled seemingly unrelated regression with first-order autocorrelation correction. The time period used to estimate the equations is from 1978 to 2001. The number of observations is 253. For additional information, see M. D. Intriligator, *Econometric Models, Techniques, & Applications*, New Jersey: Prentice-Hall Inc., 1978, pp. 165-173.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Enrollment in Degree-Granting Institutions Model.
(This table was prepared June 2003.)